## Cloudflare DDNS 设置

**1.1 列出所有**

|  |  |
| --- | --- |
| 1 | GET zones/:zone\_identifier/dns\_records |

**Copy**

|  |  |
| --- | --- |
| 1 2 3 4 | curl -X GET "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records?type=A&name=example.com&content=127.0.0.1&page=1&per\_page=20&order=type&direction=desc&match=all" \  -H "X-Auth-Email: user@example.com" \  -H "X-Auth-Key: c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" |

**Copy**

**1.2 创建记录**

|  |  |
| --- | --- |
| 1 | POST zones/:zone\_identifier/dns\_records |

**Copy**

|  |  |
| --- | --- |
| 1 2 3 4 5 | curl -X POST "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records" \  -H "X-Auth-Email: user@example.com" \  -H "X-Auth-Key: c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" \  --data '{"type":"A","name":"example.com","content":"127.0.0.1","ttl":120,"priority":10,"proxied":false}' |

**Copy**

**1.3 获取详情**

|  |  |
| --- | --- |
| 1 | GET zones/:zone\_identifier/dns\_records/:identifier |

**Copy**

|  |  |
| --- | --- |
| 1 2 3 4 | curl -X GET "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records/372e67954025e0ba6aaa6d586b9e0b59" \  -H "X-Auth-Email: user@example.com" \  -H "X-Auth-Key: c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" |

**Copy**

**1.4 更新记录**

|  |  |
| --- | --- |
| 1 | PUT/PATCH zones/:zone\_identifier/dns\_records/:identifier |

**Copy**

|  |  |
| --- | --- |
| 1 2 3 4 5 | curl -X PATCH "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records/372e67954025e0ba6aaa6d586b9e0b59" \  -H "X-Auth-Email: user@example.com" \  -H "X-Auth-Key: c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" \  --data '{"type":"A","name":"example.com","content":"127.0.0.1","ttl":120,"proxied":false}' |

**Copy**

**1.5 删除记录**

|  |  |
| --- | --- |
| 1 | DELETE zones/:zone\_identifier/dns\_records/:identifier |

**Copy**

|  |  |
| --- | --- |
| 1 2 3 4 | curl -X DELETE "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records/372e67954025e0ba6aaa6d586b9e0b59" \  -H "X-Auth-Email: user@example.com" \  -H "X-Auth-Key: c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" |

**Copy**

**2 实战**

我们看到，在整个 DNS 修改过程中，请求体是大同小异的，其中主要用到了以下 3 个 key:

1. zone identifier: 即 Zone ID，可在 Cloudflare 控制台页面的 Overview 页面右下角或 URL 获取
2. dns records identifier: 通过上述【列出所有】接口的返回结果的 id 获取
3. X-Auth-Key: 在个人中心的 My Profile -> API Tokens -> Global API Key

这里有一点需要注意：X-Auth-Key 必须使用 Global API Key，但这样导致授权过大，可以在 My Profile -> API Tokens -> API Tokens -> Create Token 创建相应权限的 TOKEN，这里只需要有相应 DNS 的编辑权限即可，相应的，请求时的 header 也要做修改，如

|  |  |
| --- | --- |
| 1 2 3 4 | curl -X GET "https://api.cloudflare.com/client/v4/zones/023e105f4ecef8ad9ca31a8372d0c353/dns\_records" \  -H "X-Auth-Email: user@example.com" \  -H "Authorization: Bearer c2547eb745079dac9320b638f5e225cf483cc5cfdda41" \  -H "Content-Type: application/json" |

**Copy**

现在，我们就得到 DDNS 脚本了（使用前请先安装 jq，群辉已自带）

|  |  |
| --- | --- |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | #!/bin/bash  # Author: Xinyu Shi  zone\_identifier= dns\_identifier= api\_token= domain= email=  # Get dns record of cloudflare record=$(curl -s -X GET "https://api.cloudflare.com/client/v4/zones/$zone\_identifier/dns\_records/$dns\_identifier" -H "X-Auth-Email: $email" -H "Authorization: Bearer $api\_token" -H "Content-Type: application/json" | jq .result.content)  # Get current ip ip=$(curl -s whatismyip.akamai.com)  # Edit records only when IP changes if [ ${record//\"/} != $ip ]; then   curl -s -X PATCH "https://api.cloudflare.com/client/v4/zones/$zone\_identifier/dns\_records/$dns\_identifier" -H "X-Auth-Email: $email" -H "Authorization: Bearer $api\_token" -H "Content-Type: application/json" --data '{"type":"A","name":"'$domain'","content":"'$ip'","ttl":1,"proxied":false}' fi |

**Copy**

最后，设置定时任务每分钟执行即可。